

VISITORS TO COMPUTER CONFERENCE PERFORM ON-LINE SIGNAL PROCESSING WITH LIGHT-PEN CONTROL



In their exhibit of the AMBILOG 200 Stored-Program Signal Processor, Adage engineers are demonstrating complex data reduction in real time. This computer's graphic input/output and light-pen control put the investigator directly into the experiment.

In a few minutes visitors to the Adage booth at the Spring Joint Computer Conference are "programming" the AMBILOG to perform data acquisition, data display, editing and analysis. Data editing includes the entire process by which data of interest is selected for further study. Such analyses as amplitude probability distributions are performed instantaneously; more complex functions such as power spectrum density for several thousand data samples are calculated in a minute or two. Results displayed on the CRT are always available quickly enough to permit adaptive analysis . . . a capability not available with conventional data-processing facilities.

The AMOS operating system allows the user to compile in any source language for which a compiler, translator, or interpreter exists. At present, these include FORTRAN, ADEPT -- an extendable macro-assembler and symbolic-machine-language translator, and TRAC -- a text-reckoning and compiling system. Object programs compiled or translated from different source languages may be loaded and executed together with common symbolic cross references, thus facilitating accumulation of a useful library of programs, each written in the most convenient or efficient source language. Other systems programs provide efficient program debugging, using these source-language symbols, and source-language editing using the CRT display.

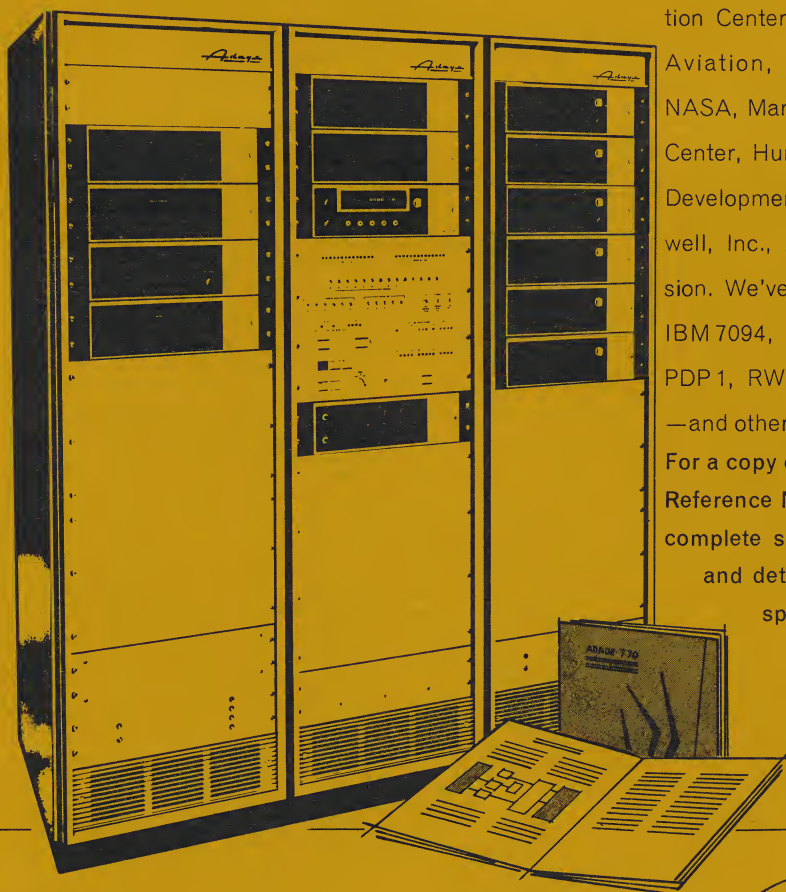
AMBILOG 200 is now employed in simulation studies and real-time, on-line signal processing in the fields of medicine, oceanography, seismology, flight-test telemetry, and in complex test facilities.

Adage is also exhibiting the ADAGE 770 Hybrid Computer Linkage System featuring a new multiplying DAC.

For additional information, write or phone Mr. Mike Stein, Product Manager, Adage, Inc.

LINK YOUR COMPUTERS WITH **ADAGE 770**

The ADAGE 770 linkage system contains all the conversion hardware and control features necessary to integrate your analog and digital computers into a powerful, flexible hybrid. The 770 is an outgrowth of Adage pioneering in this field. It functions effectively with any general-purpose analog or digital computer. Made up of fully compatible standard building blocks, the 770 is easy to expand. It is economical, too. Call on us to help build your hybrid facility. Our satisfied customers include Grumman



Aircraft; McDonnell Automation Center; North American Aviation, Space Division; NASA, Marshall Space Flight Center, Huntsville; Rome Air Development Center; Honeywell, Inc., Aeronautical Division. We've linked REAC 400, IBM 7094, PB 250, EAI 231, PDP 1, RW 400, UNIVAC 1218 —and others. **FREE MANUAL** For a copy of the ADAGE 770 Reference Manual containing complete system description and detailed performance specifications, write
I. R. Schwartz,
Vice-President.

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